IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Z661 #8

SERIAL NO.:

09/938,923

RECEIVED

FILING DATE:

8-24-2001

DEC 1 1 2002

INVENTOR:

YUAN; RUIXI

Technology Center 2600

TO THE HONORABLE COMMISSIONER OF PATENTS

POWER TO INSPECT

SIR:

Please allow the firm of Berlin and Associates, 2001 Jefferson Davis Highway, Suite 404, Arlington, VA 22202, and in particular Ernestine Prophet, Lucy Smith, Keisha Jenkins and/or Thea Zumwalt, access to the above-mentioned file for the purposes of copying any papers deemed necessary.

Sincerely,

Christian R. Andersen

Assistant Secretary

VERIZON Corporate Services Group

By Assignment from

GTE Networking Inc.

ASSIGNMENT OF PATENTS

This ASSIGNMENT OF PATENTS is effective as of <u>June 28, 2000</u> between Genuity Inc. (by change of name from GTE Internetworking Incorporated), a corporation organized and existing under the laws of Delaware and having a principal business address of 3 Van de Graaff, Burlington, Massachusetts 01803 (hereinafter "ASSIGNOR") and GTE Service Corporation, a corporation organized and existing under the laws of New York, having a principal business address of 1255 Corporate Drive, Irving, Texas 75038 (hereinafter "ASSIGNEE").

WHEREAS, ASSIGNOR is the owner of all right, title and interest in and to the inventions and United States and foreign Letters Patent and Applications for Letters Patent identified in the attached Schedule A; and

WHEREAS, ASSIGNEE is desirous of acquiring the aforesaid inventions and United States and foreign Letters Patent and Applications for Letters Patent identified in Schedule A.

NOW, THEREFORE, in consideration of the premises and the mutual covenants set forth in the Agreement and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and subject to any rights and licenses granted to third parties on or before the effective date hereof, ASSIGNOR does hereby assign unto ASSIGNEE all rights, title and interest of ASSIGNOR in and to the aforesaid inventions and United States and foreign Letters Patent and Applications for Letters Patent identified in Schedule A, including all inventions and improvements described therein, any legal equivalent thereof in all foreign countries (subject, however, to applicable patent laws in such countries), the right to claim priority therefrom, and in and to all Letters Patent worldwide to be obtained by such patent applications or any continuations, divisions, renewals, extensions, substitutes, reissues or re-examinations thereof, the same to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the terms for which such Letters Patent are granted, plus any extensions, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had this assignment and sale not been made, together with all claims for damages by reason of past and future infringement of said Letters Patent and inventions, with the right to sue for, and collect the same for its own use and enjoyment, and for the use and enjoyment of its successors, assigns or other legal representatives.

State of New York }
Department of State }
ss:

I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.

Witness my hand and seal of the Department of State on

DEC 14 2001



Special Deputy Secretary of State

DOS-1266 (7/00)

State of Delaware Office of the Secretary of State

PAGE 1

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF
DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT
COPY OF THE CERTIFICATE OF AMENDMENT OF "GTE INTERNETWORKING
INCORPORATED", CHANGING ITS NAME FROM "GTE INTERNETWORKING
INCORPORATED" TO "GENUITY INC.", FILED IN THIS OFFICE ON THE
SIXTH DAY OF APRIL, A.D. 2000, AT 10 O'CLOCK A.M.

Edward J. Freel, Secretary of State

AUTHENTICATION:

0370108

DATE:

04-10-00

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EXPRESS MAIL NO. EK966291665US

UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office ASSISTANT SECRETARY AND COMMISSIONER

OF PATENTS AND TRADEMARKS Weshington, D.C. 20231

JCTOBER 31, 2000

PTAS

VERIZON SERVICES GROUP LEONARD CHARLES SUCHYTA 600 HIDDEN RIDGE ROAD IRVING, TX 75038

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UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/27/2000

REEL/FRAME: 011065/0023

NUMBER OF PAGES: 3

BRIEF: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

GTE INTERNETWORKING INCORPORATED,

DOC DATE: 04/06/2000

A DELAWARE CORPORATION

ASSIGNEE:

GENUITY INC.

3 VAN DE GRAFF DRIVE

A DELAWARE CORPORATION

BURLINGTON, MASSACHUSETTS 01803

SERIAL NUMBER: 09098622

FILING DATE: 06/17/1998

ISSUE DATE:

SERIAL NUMBER:

PATENT NUMBER:

FILING DATE:

PATENT NUMBER:

ISSUE DATE:

PCT NUMBER: US9913502

OPR/ASSIGNMENTS 11/1/00 8:22: PAGE 003/4 RightFAX

011065/0023 PAGE 2

TARA WASHINGTON, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

DCT-27-2000 14:20 FUND PTO-1806 (Rev. 8-83) OMB No. 0651-2011 (exp. 4/84) DATENT			
ab settings V V 7000	2599 • •		
To the Honorable Commissioner of Patents and Docker. 1. Name of conveying party(ies):	2. Name and address of receiving party(les):		
GTE INTERNETWORKING INCORPORATED	Name: GENUITY INC.		
a Delaware Corporation	Internal Address: a Delaware Corporation		
Additional name(s) of souveying party(iss) attached?	a Delawate Conjunation		
3. Nature of conveyance: Assignment Merger	Street Address: 3 Van De Graaff Drive		
Security Agreement			
Other	City: Burlington State: MA ZIP: 01803		
Execution Date: April 6, 2000	Additional name(e) & address(es) attached? 🔲 Yea 🔀 No		
4. Application number(s) or patent number(s): Docket Nos. If this document is being filed together with a new application A. Patent Application No.(s) 09/098,622 PCT/US99/13502	B. Patent No.(8)		
Additional numbers atta	OROGO LJ 184 LAI NO		
Name and address of party to whom correspondence concerning document should be malled:	8. Total number of applications and patents involved:		
Name: Leonard Charles Suchyta			
Internal Address: Verizon Services Group HGE03G04	7. Total tee (37 CFR 3.41)		
Intelliging Addition The State of the State	☐ Enclosed		
	X Authorized to be charged to deposit account		
Street Address: 600 Hidden Ridge Road	8. Depoelt account number:		
On. Taking	07-2339		
City: Irving State: TX zip: 75038	(Attach duplicate copy of this page if paying by deposit account)		
DO NOT USE THIS SPACE			
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.			
James K. Weixel. Reg. No. 44.399 Name of Person Signing Total number of pages including of	Bignature 10/26/2000 Date ever sheel, aliashments, and document;		

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OPR/ASSIGNMENTS

Meil documents to be recorded with required cover elect information to: Commissionar of Patients & Theologische, Stot Assignments Washington, D.C. 20231

State of Delaware

Office of the Secretary of State

PAGE 1

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "GTE INTERNETWORKING INCORPORATED", CHANGING ITS NAME FROM "GTE INTERNETWORKING INCORPORATED" TO "GENUITY INC.", FILED IN THIS OFFICE ON THE SIXTH DAY OF APRIL, A.D. 2000, AT 10 O'CLOCK A.M.

Edward J. Freel, Secretary of State

AUTHENTICATION:

0370108

DATE:

04-10-00

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001181607

CERTIFICATE OF AMENDMENT OF CERTIFICATE OF INCORPORATION GTE INTERNETWORKING INCORPORATED

It is hereby certified that:

- 1. The name of the corporation (hereinafter called the "corporation") is GTE Internetworking Incorporated.
- 2. The certificate of incorporation of the corporation is hereby amended by striking out Article[s] 1 thereof and by substituting in lieu of said Article[s] the following new Article[s]:
 - The name of the corporation is Genuity Inc." "I.
- 3. The amendment of the certificate of incorporation herein certified has been duly adopted in accordance with the provisions of Section 242, 228 and 141 of the General Corporation Law of the State of Delaware.

Signed on this St. of April, 2000.

Vice President-Finance Title:

EXPRESS MAIL NO. EK966291665US



UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

NOVEMBER 09, 1998

LEONARD CHARLES SUCHYTA RECETAS LI

HQE03G13 600 HIDDEN RIDGE IRVING, TEXAS 75038

NOV 1 9 1998



PAIENT DEPT.

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/03/1998

REEL/FRAME: 9382/0703

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

YUAN, RUIXI

DOC DATE: 07/17/1998

ASSIGNOR:

AKYOL, BORA

DOC DATE: 07/22/1998

ASSIGNOR:

STRAYER, WILLIAM TIMOTHY

DOC DATE: 07/20/1998

ASSIGNEE:

GTE INTERNETWORKING INCORPORATED 150 CAMBRIDGEPARK DRIVE CAMBRIDGE, MASSACHUSETTS 02140

SERIAL NUMBER: 09098622

PATENT NUMBER:

FILING DATE: 06/17/1998

ISSUE DATE:



all

9382/070% PAGE 2

PEARLENE FOSTER, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

FORM PTO-1595 (Rev. 6 93)	19-1998 U.S. DEPARTMENT OF COMMERCE
OMB No. 0651-001 ir (exp. 4794)	Patent and Trademark Office
	796627 2. Name and address of receiving party(ies): Name: GTE Internetworking Incorporated Internal Address:
3. Nature of conveyance: MRD 8-3-98 X Assignment	Street Address: 150 CambridgePark Drive City: Cambridge State: MA ZIP: 02140
7/17/98,7/22/98,7/20/98 Execution Date:	City: Cambridge State: MA ZIP: 02140 Additional name(s) & address(es) attached?
4. Application number(s) or patent number(s): If this document is being filed together with a new application A. Patent Application No.(s) 09/098,622 Additional numbers atta	B. Patent No.(s)
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
/14/1998 MHUNTER 00000001 072339 09098622 FC #\$8 me: Leonard Charles Suchyta Internal Address: HQE03G13	7. Total fee (37 CFR 3.41)\$ 40 \(\varepsilon\) \[\begin{align*} \text{ Inclosed} & \text{ Authorized to be charged to deposit account} \end{align*}
Street Address: 600 Hidden Ridge	8. Deposit account number:
City: Irving State: TX ZIP: 75038	(Attach duplicate copy of this page if paying by deposit account)
DO NOT	USE THIS SPACE
Floyd E. Anderson, Reg. No. 33,825 Name of Person Signing	3. Once 2000 7/31/98 Signature Date
I otal number of pages including c	over sheet, attachments, and document:

ASSIGNMENT

For good and valuable consideration which we hereby acknowledge,

we, Ruixi Yuan Bora Akyol William Timothy Strayer

residing (respectively) at

5706 Stearns Hill Road, Waltham, MA 02154 8 Freeman Road, Chelmsford, MA 01824 80 Adena Road, West Newton, MA 02165

sell and assign to GTE INTERNETWORKING INCORPORATED, a Delaware corporation, its successors and assigns, our invention in

METHOD AND SYSTEM FOR CONNECTIONLESS COMMUNICATION IN A CELL RELAY SATELLITE NETWORK

and the application for United States Patent therefor executed concurrently herewith, and all Patents which may be granted therefor, and all divisions, reissues, continuations and extensions thereof, and authorize and request the Commissioner of Patents to issue all Patents on said invention or resulting therefrom to said Company as assignee of the entire interest, and covenant that we have full right so to do and agree that we will communicate to said Company or its representatives any facts known to us respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said Company, its successors, assigns, and nominees, to obtain and enforce proper patent protection for said invention, in the United States and all-foreign countries.

	Inventor	Kump	Date	July 17, 1998
	Address	Ruixi Yuan V 5706 Stearns Hill Road, Waltham, MA 02154		·
Witness		nay & anya	Date	7/17/98
Address	39	To thighland is. Weston us o	2493-2	627
Witness	Man	reg & Hough	Date	July 17, 1998
Address	179	Helen Dr. Madborough	e, ma	01762
	Inventor	gra gray	Date	July 22, 1998
	Address	Bora Akyol 8 Freeman Road, Chelmsford, MA 01824		0
Witness		welle ahyol	Date	July 22, 1998
Address	8	Freeman Rd. Chelmiford MA	01854	V
Witness	MI	chole J. forovaa	Date 1	Jly 22, 1998
Address	339	OS. BEVERLY PL.	U	0 /
	CHI	ANDLER, AZ B5748		

Inventor

William Timothy Strayer

Address

80 Adena Road/West Newton/MA 02165

Witness

Address

12 Rodman St Januara Plan MA 02150

Witness

Milliam Timothy Strayer

Address

Date

7/20/98

Date

7/20/98

Address

Date

12 Rodman St Januara Plan MA 02150

Witness

Manay J Horrah

Date

July 20, 1998

Address

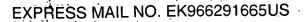
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UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office ASSISTANT SECRETARY AND COMMISSIONER

OF PATENTS AND TRADEMARKS Washington, D.C. 20231

CTOBER 31, 2000

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VERIZON SERVICES GROUP HGE03G04 LEONARD CHARLES SUCHYTA 600 HIDDEN RIDGE ROAD IRVING, TX 75038

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UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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ECORDATION DATE: 10/27/2000

REEL/FRAME: 011065/0072

NUMBER OF PAGES: 12

BRIEF: ASSIGNMENT OF ASSIGNOR''S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

GENUITY INC., A DELAWARE

DOC DATE: 09/06/2000

CORPORATION

ASSIGNEE:

GENUITY INC.

3 VAN DE GRAAFF DRIVE

A DELAWARE CORPORATION

BURLINGTON, MASSACHUSETTS 01803

ASSIGNEE:

GTE SERVICE CORPORATION 1255 CORPORATE DRIVE A NEW YORK CORPORATION IRVING, TEXAS 75038

SERIAL NUMBER: 09098622

FILING DATE: 06/17/1998

OPR GASSIGNMENTS PATENT NUMBER:

11/1/00

8:23: PAGE 003/5 RightFAX

ISSUE DATE:

011065/0072 PAGE 2

ERIAL NUMBER: PATENT NUMBER: PCT NUMBER: US9913502 FILING DATE: ISSUE DATE:

KIMBERLY WHITE, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

RightFAX 11/1/00 PAGE 004/5 OPR/ASSIGNMENTS 8:23: 781 466 4021 IRIZON LEGAL WALTHAM P.02/13 DCT-27-2000 14:23 RECDON 2 TO NO TOWN OVER SHEET U.B. DEPARTMENT OF COMMERCE (AWY. 8-83) ONB No. 0851-0011 (exp. 4/94) Patent and Trademark Office Tab settings 🖚 🗢 🔻 To the Honorable Commissioner of Patents and Should actuate record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party (ies): GENUITY INC. GENUITY INC. Name: _____ a Delaware Corporation Internal Address: a Delaware Corporation Yes X No Additional name(e) of upaveying party(les) attached? 3. Nature of conveyance: Assignment Merger ... Street Address: 3 Van Do Graaff Drive ☐ Becurity Agreement ☐ Change of Name Other _ City: Burlington State: MA ZIP: 01803 ☐ Na Execution Data: September 6, 2000 X Yes Additional name(s) & address(es) attached? 4. Application number(8) or patent number(8): Docket Nos. 98-409 RCE1 & 98-409 PCT If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(8) B. Patent No.(s) 09/098.622 PCT/US99/13502 ☐ Yes Additional numbers attached? X No Name and address of party to whom porrespondence 2 concerning document should be malled: 8. Total number of applications and patents involved: Leonard Charles Suchyta Internal Address: Verizon Services Group HGE03G04 ☐ Enclosed Authorized to be charged to deposit account Street Address: 600 Hidden Ridge Road 8. Deposit account number: 07-2339

Total number of passes including cover sheat, atlachments, and documents

State: TX zip: 75038

City: Irving

9. Statement and signature.

the original document.

James K. Weixel, Reg. No. 44,399
Name of Person Bigning

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of

(Attach duplicate copy of this page if paying by deposit account)

10/26/2000

OPK/ASSIGNMENTS 11/1/00 8:23: PAGE 005/5
. OCT-27-2000 14:23 FRIZON LEGAL WALTHAM

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FORM PTO-1595	RECORDATION FORM	XVER SHEET U	J.S. DEPARTMENT OF COMMERCE
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2. Name and address	of receiving party(les):		•
Name: OTE SE	RVICE CORPORATION		
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maie Addies.	a New York Corporation		
Street Address:	1255 Corporate Drive		
City: <u>Irving</u>	State: TX ZIP:	75038	

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4. Application number	er(s) or patent number(s):		
If this document is	being filed together with a new application	n, the execution of	late of the application is:
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